Register your product and get support at

www.philips.com/welcome

19PFL3404H/12
22PFL3404H/12
26PFL3404H/12
32PFL3404H/12
42PFL3604H/12
19PFL3404D/12
22PFL3404D/12
26PFL3404D/12
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42PFL3604D/12
19PFL3404D/05
22PFL3404D/05
26PFL3404D/05

EN User Manual

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Contents

1 Notice 2

2 Important 4

3 TV overview 6
Side controls and indicators 6
Remote control 6

4 Use your product 8
Switch your TV on/off or to standby 8
Switch channels 8
Watch connected devices 9
Adjust TV volume 9
Use teletext 9

5 Use more of your product 10
Access TV menus 10
Remove devices from the home menu 10
Change picture and sound settings 10
Use advanced teletext features 13
Create and use lists of favourite channels 14
Use the Electronic Programme Guide 15
Use timers 16
Use TV lock and parental ratings 16
Use subtitles 18
Use the TV clock 19
View photos and play music from a USB storage device 19
Listen to digital radio channels 21
Update the TV software 21
Change TV preferences 22
Access decoder channel 22
Start a TV demo 22
Reset the TV to factory settings 23

6 Install channels 24
Automatically install channels 24
Manually install channels 25
Rename channels 26
Reorder channels 26
Test digital reception 26

7 Connect devices 27
Back connector for 19-22 inch TV 27
Back connector for 26 inch TV and larger 29
Side connector 30
Connect a computer 31
Use a Conditional Access Module 32
Use Philips EasyLink 32
Use a Kensington lock 33

8 Product information 34
Supported display resolutions 34
Multimedia 34
Tuner/Reception/Transmission 34
Remote control 34
Power 34
Supported TV mounts 34

9 Troubleshooting 35
General TV issues 35
TV channel issues 35
Picture issues 35
Sound issues 36
HDMI connection issues 36
Computer connection issues 36
Contact us 36

10 Index 37

English

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1 Notice

2009 © Koninklijke Philips Electronics N.V. All rights reserved.
Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips Electronics N.V or their respective owners. Philips reserves the right to change products at any time without being obliged to adjust earlier supplies accordingly. The material in this manual is believed adequate for the intended use of the system. If the product, or its individual modules or procedures, are used for purposes other than those specified herein, confirmation of their validity and suitability must be obtained. Philips warrants that the material itself does not infringe any United States patents. No further warranty is expressed or implied.

Warranty

- Risk of injury, damage to TV or void of warranty! Never attempt to repair the TV yourself.
- Use the TV and accessories only as intended by the manufacturer.
- The caution sign printed on the back of the TV indicates risk of electric shock. Never remove the TV cover. Always contact Philips Customer Support for service or repairs.

Any operation expressly prohibited in this manual, or any adjustments and assembly procedures not recommended or authorised in this manual shall void the warranty.

Pixel characteristics

This LCD product has a high number of colour pixels. Although it has effective pixels of 99.999% or more, black dots or bright points of light (red, green or blue) may appear constantly on the screen. This is a structural property of the display (within common industry standards) and is not a malfunction.

Compliance with EMF

Koninklijke Philips Electronics N.V. manufactures and sells many products targeted at consumers which, like any electronic apparatus, in general have the ability to emit and receive electromagnetic signals.

One of Philips' leading Business Principles is to take all necessary health and safety measures for our products, to comply with all applicable legal requirements and to stay well within the EMF standards applicable at the time of producing the products.

Philips is committed to develop, produce and market products that cause no adverse health effects. Philips confirms that if its products are handled properly for their intended use, they are safe to use according to scientific evidence available today.

Philips plays an active role in the development of international EMF and safety standards, enabling Philips to anticipate further developments in standardisation for early integration in its products.

Mains fuse (UK only)

This TV is fitted with an approved moulded plug. Should it become necessary to replace the mains fuse, this must be replaced with a fuse of the same value as indicated on the plug (example 10A).

1 Remove fuse cover and fuse.

2 The replacement fuse must comply with BS 1362 and have the ASTA approval mark. If the fuse is lost, contact your dealer in order to verify the correct type.

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3 Refit the fuse cover.
In order to maintain conformity to the EMC directive, the mains plug on this product must not be detached from the mains cord cable.

Copyright

VESA, FDMI and the VESA Mounting Compliant logo are trademarks of the Video Electronics Standards Association.
® Kensington and Micro Saver are registered US trademarks of ACCO World Corporation with issued registrations and pending applications in other countries throughout the world.

Manufactured under licence from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

Note

- Only applicable to TVs supporting MPEG4-HD standard

All other registered and unregistered trademarks are the property of their respective owners.

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2 Important

Read and understand all instructions before you use your TV. If damage is caused by failure to follow instructions, the warranty does not apply.

Safety

- Risk of electric shock or fire!
  - Never expose the TV to rain or water. Never place liquid containers, such as vases, near the TV. If liquids are spilt on or into the TV, disconnect the TV from the power outlet immediately. Contact Philips Consumer Care to have the TV checked before use.
  - Never place the TV, remote control or batteries near naked flames or other heat sources, including direct sunlight.
    To prevent the spread of fire, keep candles or other flames away from the TV, remote control and batteries at all times.

  - Never insert objects into the ventilation slots or other openings on the TV.
  - When the TV is swivelled ensure that no strain is exerted on the power cord. Strain on the power cord can loosen connections and cause arcing.
- Risk of short circuit or fire!
  - Never expose the remote control or batteries to rain, water or excessive heat.
  - Avoid force coming onto power plugs. Loose power plugs can cause arcing or fire.
- Risk of injury or damage to the TV!
  - Two people are required to lift and carry a TV that weighs more than 25 kg.
  - When stand mounting the TV, use only the supplied stand. Secure the stand to the TV tightly. Place the TV on a flat, level surface that can support the combined weight of the TV and the stand.
  - When wall mounting the TV, use only a wall mount that can support the weight of the TV. Secure the wall mount to a wall that can support the combined weight of the TV and wall mount. Koninklijke Philips Electronics N.V. bears no responsibility for improper wall mounting that result in accident, injury or damage.
- Risk of injury to children!Follow these precautions to prevent the TV from toppling over and causing injury to children:
  - Never place the TV on a surface covered by a cloth or other material that can be pulled away.
  - Ensure that no part of the TV hangs over the edge of the surface.
  - Never place the TV on tall furniture (such as a bookcase) without anchoring both the furniture and TV to the wall or a suitable support.
  - Educate children about the dangers of climbing on furniture to reach the TV.
- Risk of overheating! Never install the TV in a confined space. Always leave a space of at least 4 inches or 10 cm around the TV for ventilation. Ensure curtains or other objects never cover the ventilation slots on the TV.
- Risk of damage to the TV! Before you connect the TV to the power outlet, ensure that the power voltage matches

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the value printed on the back of the TV. Never connect the TV to the power outlet if the voltage is different.
- Risk of injury, fire or power cord damage! Never place the TV or any objects on the power cord.
- To easily disconnect the TV power cord from the power outlet, ensure that you have full access to the power cord at all times.
- When you disconnect the power cord, always pull the plug, never the cable.
- Disconnect the TV from the power outlet and aerial before lightning storms. During lightning storms, never touch any part of the TV, power cord or aerial cable.
- Risk of hearing damage! Avoid using earphones or headphones at high volumes or for prolonged periods of time.
- If the TV is transported in temperatures below 5°C, unpack the TV and wait until the TV temperature matches room temperature before connecting the TV to the power outlet.

Screen care

- Avoid stationary images as much as possible. Stationary images are images that remain on-screen for extended periods of time. Examples include: on-screen menus, black bars and time displays. If you must use stationary images, reduce screen contrast and brightness to avoid screen damage.
- Unplug the TV before cleaning.
- Clean the TV and frame with a soft, damp cloth. Never use substances such asalcohol, chemicals or household cleaners on the TV.
- Risk of damage to the TV screen! Never touch, push, rub or strike the screen with any object.
- To avoid deformations and colour fading, wipe off water drops as soon as possible.

Disposal of your old product and batteries

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.

When this crossed-out wheeled bin symbol is attached to a product it means that the product is covered by the European Directive 2002/96/EC. Please inform yourself about the local separate collection system for electrical and electronic products.
Please act according to your local rules and do not dispose of your old products with your normal household waste.
Correct disposal of your old product helps to prevent potential negative consequences for the environment and human health.

Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed with normal household waste.
Please inform yourself about the local rules on separate collection of batteries because correct disposal helps to prevent negative consequences for the environmental and human health.

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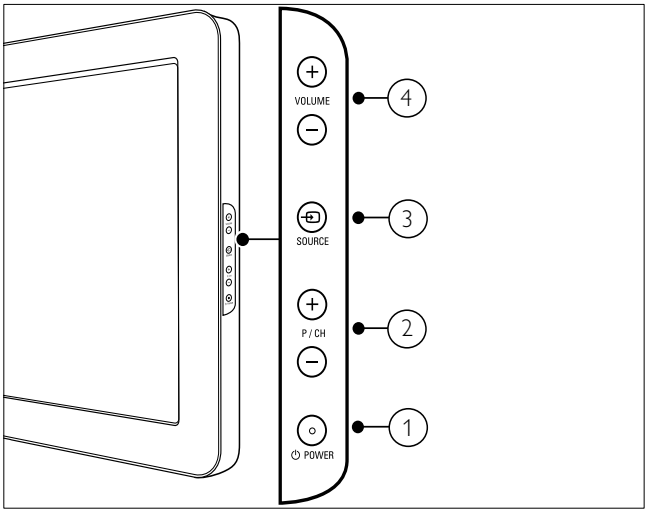
3 TV overview

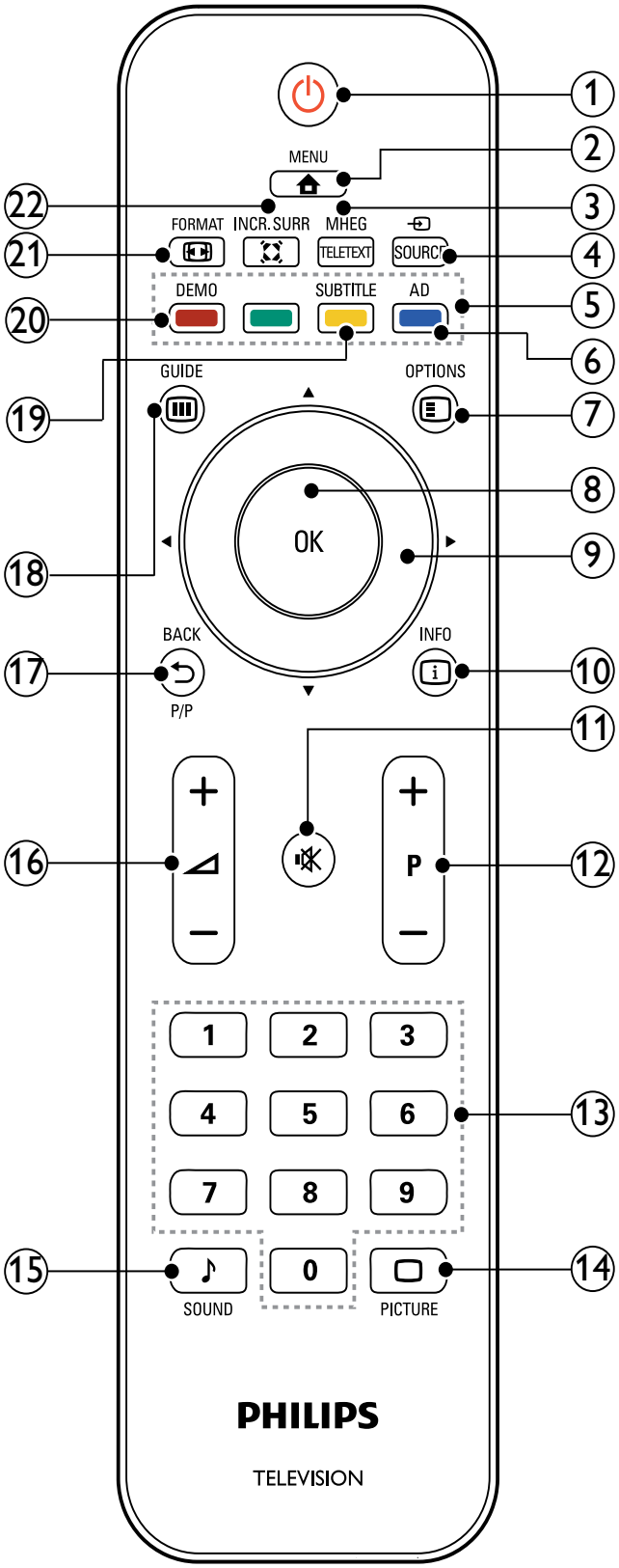
This section gives you an overview of commonly used TV controls and functions.

Side controls and indicators



1. ⏻ POWER: Switches the product on or off. The product is not powered off completely unless it is physically unplugged.
2. P/CH +/-: Switches to the next or previous channel.
3. SOURCE: Selects connected devices.
4. VOLUME +/-: Increases or decreases volume.

Remote control



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① ⏻ (Standby-On)
- Switches the TV to standby if it is on.
- Switches on the TV if it is in standby.

② MENU
Toggles the main menu on or off.

③ MHEG/TELETEXT
Toggles teletext on or off.

④ SOURCE
Selects connected devices.

⑤ Colour buttons
Selects tasks or options.

⑥ AD (Audio Descriptor) (For RF Digital TV only)
UK only: Enables audio commentary for the visually handicapped.

⑦ OPTIONS
Accesses options relating to the current activity or selection.

⑧ OK
Confirms an entry or selection and displays the channel grid, when watching TV.

⑨ ▲▼◀▶ (Navigation buttons)
Navigates through the menus.

⑩ INFO
Displays program information, when available. If the information spans multiple pages, press OPTIONS to go to the next page .

⑪ (Mute)
Mutes or restores audio output.

⑫ P +/- (Programme +/-)
Switches to the next or previous channel. When the TV menu is on, this functions as Page Up/Down.

⑬ 0-9 (Numeric buttons)
Selects a channel or setting.

⑭ PICTURE (Smart picture)
Launches the picture menu.

⑮ ♪ SOUND(Smart Sound)
Launches the sound menu.

⑯ +/- (Volume +/-)
Increases or decreases volume.

⑰ BACK P/P (Previous channel)
- Returns to a previous screen.
- Returns to the previously viewed channel.

⑱ GUIDE
Switches between channel grid and programme list.

⑲ SUBTITLE (For RF Digital TV only)
Enables or disables subtitles.

⑳ DEMO
Toggles the demonstration menu on or off.

㉑ FORMAT
Selects a picture format.

㉒ INCR. SURR
Enables Incredible Surround for stereo sources. Enables spatial mode for mono sources.

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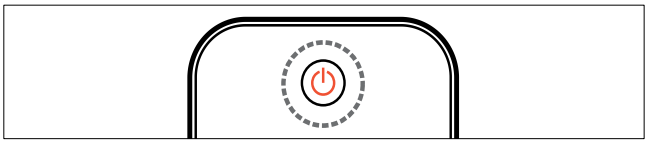
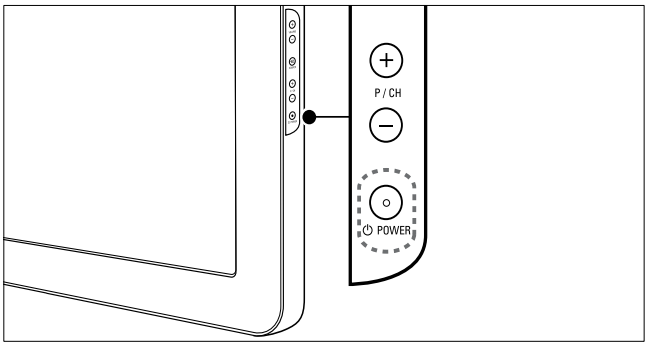
4 Use your product

This section helps you perform basic operations (see 'Use more of your product' on page 10).

Switch your TV on/off or to standby





To switch on

- If the standby indicator is off, press ⏻ **POWER** at the side of the TV.
- If the standby indicator is red, press ⏻ (**Standby-On**) on the remote control.

To switch to standby

- Press ⏻ (**Standby-On**) on the remote control.
  ↳ The standby indicator switches to red.

To switch off

- Press ⏻**POWER** at the side of the TV.
  ↳ The standby indicator switches off.

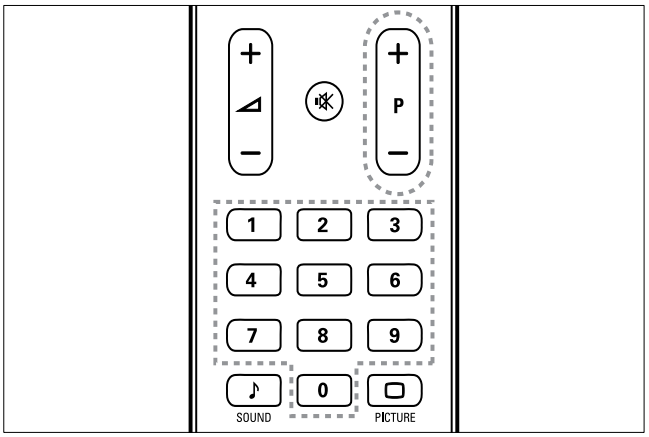
Tip

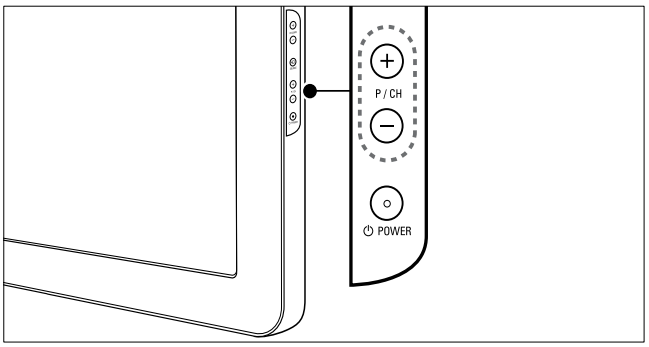
- Though your TV consumes very little power when in standby, energy continues to be consumed. When not in use for an extended period of time, disconnect the TV power cable from the power outlet.

Note

- If you cannot locate your remote control and want to switch on the TV from standby, press **P/CH +/-** or **SOURCE** at the side of the TV.

Switch channels





- Press **P +/-** on the remote control or **P/CH +/-** on the side of the TV.
- Enter a channel number using the **Numeric buttons**.
- Use the channel grid.

Note

- When you use a favourite list, you can only select those channels in the list.

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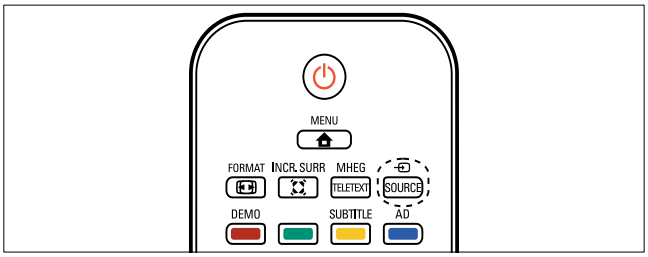
Watch connected devices

Note

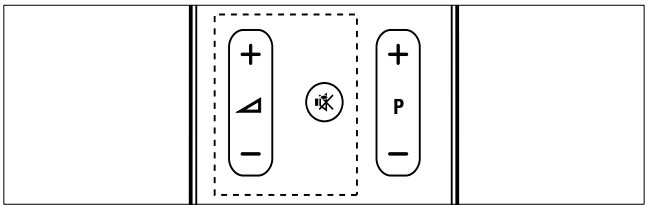
- Switch on the device before selecting it as a source on the TV.

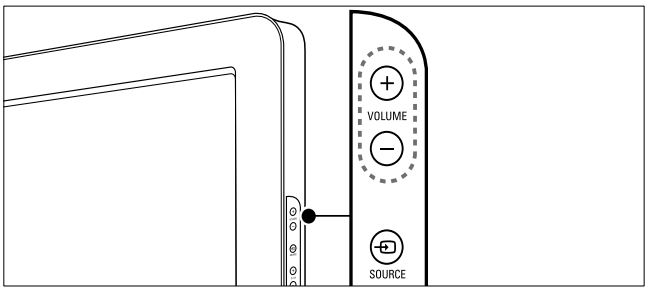
Use the source button



1 Press SOURCE.
   ↳ The source list appears.
2 Press the **Navigation buttons** to select a device.
3 Press **OK** to confirm your choice.
   ↳ The TV switches to the selected device.

Adjust TV volume





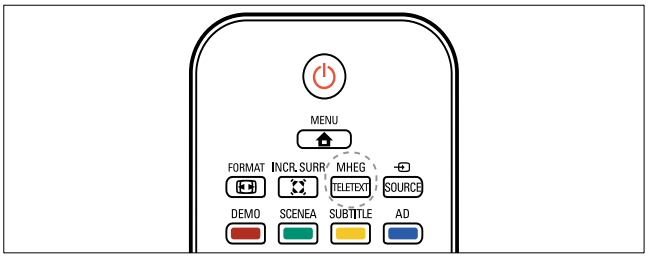
To increase or decrease volume

- Press ◿ +/-.
- Press **VOLUME +/-** on the side of the TV.

To mute or unmute sound

- Press 🔇 to mute the sound.
- Press 🔇 again to restore the sound.

Use teletext



1 Press **MHEG/TELETEXT**.
   ↳ The main index page appears.
2 Select a page as follows:
   - Press the **Numeric buttons** to enter a page number
   - Press **P +/-** or ▲▼ to view the next or previous page
   - Press the **Colour buttons** to select a colour coded item
   - Press ⮌ **BACK** to return to a previously viewed page
3 Press **MHEG/TELETEXT** to exit teletext.

Note

- For UK users only: Some digital TV channels offer dedicated digital text services (for example, BBC1).
- **DEMO**, **SUBTITLE**, **AD** and ⮌ **BACK** buttons on the remote control do not work when you are watching a channel with MHEG service. This limitation affects these models only: 19PFL3404D/05,22PFL3404D/05 and 26PFL3404D/05.

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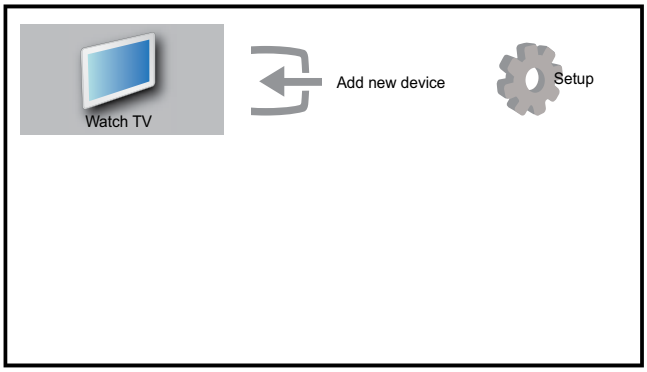
5 Use more of your product

Access TV menus

Menus help you to install channels, change picture and sound settings and access other features.

1 Press ⌂ MENU.
   ↳ The menu screen appears.



2 Press the ▲▼◀▶ to select and navigate through one of the following menus.
   - **[Watch TV]**Switches back to the aerial source if another source is selected.
   - **[Setup]**Accesses menus that allow you to change picture, sound and other TV settings.
   - **[Add new device]**Adds new devices to the home menu.

3 Press **OK** to confirm your choice.

4 Press ⌂ **MENU** to exit.

Tip

- After selecting **[Add new device]**, follow the on-screen instructions to select the correct device and connector.

Remove devices from the home menu

If a device is no longer connected to the TV, remove it from the home menu.

1 Press ⌂ **MENU**

2 Press ▲▼◀▶ to select a device to remove.

3 Press ☰ **OPTIONS**.
   ↳ The **[Remove device]** list appears.

4 Press **OK** and select **[Remove]** to remove the device.
   ↳ The selected device is removed from the home menu.

Change picture and sound settings

Change picture and sound settings to suit your preferences. You can apply pre-defined settings or change settings manually.

Use settings assistant

Use the settings assistant to guide you through the best picture and sound settings.

1 Press ⌂ **MENU**.

2 Press ▲▼◀▶ to select **[Setup]** > **[Picture]** > **[Settings assistant]**.

3 Press **OK**.
   ↳ The **[Settings assistant]** menu appears. Follow the on-screen instructions to choose your preferred picture settings.

Use smart picture

Use smart picture to apply pre-defined picture settings.

1 Press ▭ **PICTURE**.
   ↳ The **[Smart picture]** menu appears.

2 Press ▲▼ to select one of the following smart picture settings.

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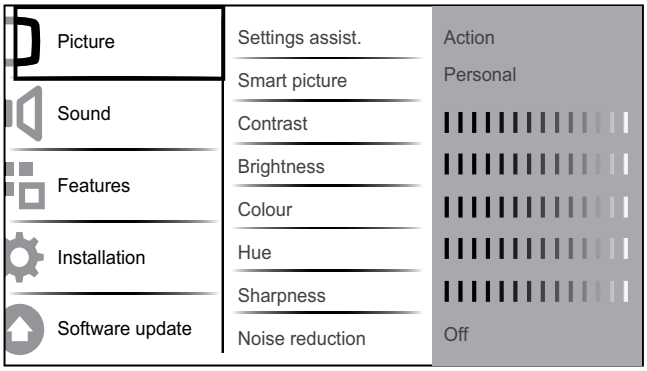
- **[Personal]**Lists customised personal picture settings.
- **[Vivid]**Maximises picture settings.
- **[Standard]**Adjusts picture settings to suit most environments and types of video.
- **[Movie]**Applies picture settings ideally suited for movie viewing.
- **[Game]**Applies picture settings maximised for fast-moving games.
- **[Energy saving]**Applies low-energy picture settings.

3 Press **OK** to confirm your choice.
↳ The selected smart picture setting is applied.

Manually adjust picture settings

1 Press **MENU**.
2 Press ▲▼◀▶ to select **[Setup]** > **[Picture]**.



3 Press ▲▼◀▶ to select one of the following picture settings.
- **[Smart picture]**Accesses pre-defined smart picture settings.
- **[Contrast]**Adjusts the intensity of bright areas, keeping dark areas unchanged.
- **[Brightness]**Adjusts the intensity and details of dark areas.
- **[Colour]**Adjusts colour saturation.
- **[Hue]**Compensates colour variations in NTSC encoded transmissions.
- **[Sharpness]**Adjusts the level of sharpness in image details.
- **[Noise reduction]**Filters and reduces noise in an image.
- **[Tint]**Adjusts the colour balance in an image.
- **[Custom tint]**Make a customised tint setting. (Only available if **[Tint]** > **[Custom]** is selected)
- **[Digital Crystal Clear]**Fine-tunes each pixel to match surrounding pixels. This produces a brilliant, high-definition image.
  - **[Dynamic contrast]**Automatically enhances contrast in an image. A **[Medium]** setting is recommended.
  - **[Dynamic backlight]**Adjusts the brightness of the TV backlight to match lighting conditions.
  - **[MPEG artifact reduction]**Smoothes out transitions on digital pictures. You can switch this feature on or off.
  - **[Colour enhancement]**Makes colours more vivid and improves the resolution of details in bright colours. You can switch this feature on or off.
- **[PC mode]**Adjusts the picture when a PC is connected to the TV via HDMI or DVI.
- **[Picture format]**Changes the picture format.
- **[Horizontal shift]**Adjusts the picture horizontally for PC-VGA, DVI, HDMI or YPbPr.
- **[Vertical shift]**Adjusts the picture vertically for PC-VGA, DVI, HDMI or YPbPr.

Change picture format

1 Press **FORMAT**.
↳ A picture format bar appears.
2 Press ▲▼ or **FORMAT** to select a picture format.
↳ The selected picture format is activated.
3 Press **OK** to confirm your choice.

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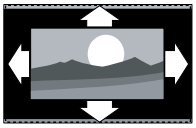
Summary of picture formats

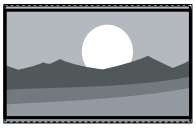
The following picture settings can be configured.

Note

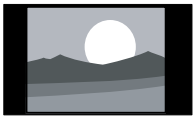
- Depending on the format of the picture source, some picture settings are not available.



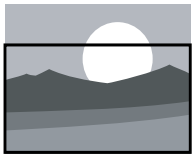
[Auto format](Not for PC mode.) Enlarges the picture automatically to best fit the screen. The subtitles remain visible.



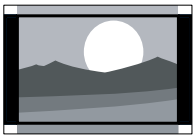
[Super zoom](Not for HD and PC mode.) Removes the black bars on the side of 4:3 broadcasts. There is minimal distortion.



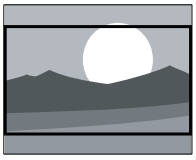
[4:3]Shows the classic 4:3 format.



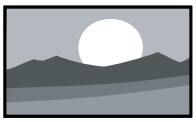
[Subtitle zoom]Displays 4:3 pictures over the full area of the screen, with sub-titles visible. Part of the top of the picture is clipped off.



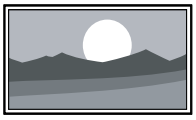
[Movie expand 14:9](Not for HD and PC mode.) Scales 4:3 format to 14:9.



[Movie expand 16:9](Not for HD and PC mode.) Scales 4:3 format to 16:9.



[Wide screen]Stretches the classic 4:3 format to 16:9.



[Unscaled]For HD and PC mode only, and in selected models only. Allows maximum sharpness. Some distortion may be present due to the broadcaster's systems. Set your PC resolution to wide screen mode for best results.

Use smart sound

Use smart sound to apply pre-defined sound settings.

1 Press ♪ **SOUND**.
   ↳ The **[Smart sound]** menu appears.

2 Press ▲▼ to select one of the following smart sound settings.
   - **[Standard]**Adjusts sound settings to suit most environments and types of audio.
   - **[News]**Applies sound settings ideally suited for spoken audio, such as the news.
   - **[Movie]**Applies sound settings ideally suited for movies.
   - **[Personal]**Applies the settings that were customised in the sound menu.

3 Press **OK** to confirm your choice.
   ↳ The selected smart sound setting is applied.

Adjust sound settings

1 Press ⌂ **MENU**.

2 Press ▲▼◀▶ to select **[Setup]** > **[Sound]**.
   ↳ The **[Sound]** menu appears.

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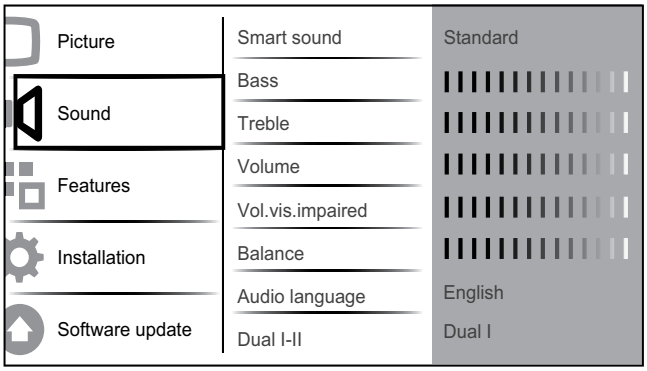

3 Press ▲▼◀▶ to select one of the following sound settings.

- **[Smart sound]**Accesses pre-defined smart sound settings.
- **[Bass]**Adjusts the bass level.
- **[Treble]**Adjusts the treble level.
- **[Volume]**Adjusts the volume.
- **[Vol.vis.impaired]**Sets the mix of visually impaired audio with regular audio. When available, visually impaired audio includes audio descriptions of on-screen action. You can also enable this by pressing **AD** (**Audio Descriptor**).
- **[Balance]**Adjusts the balance of the right and left speakers to best suit your listening position.
- **[Audio language]**Available for digital channels, when multiple languages are broadcast. Lists available audio languages.
- **[Dual I-II]**Selects between audio languages if dual sound is broadcast.
- **[Mono/Stereo]**Selects between mono or stereo if stereo is broadcast.
- **[TV speakers]**Turns TV speakers on or off.
- **[Surround]**Enables spatial sound.
- **[Auto volume]**Automatically reduces sudden volume changes, for example, when switching channels. When enabled, this produces a more consistent audio volume.
- **[Delta volume]**Levels out volume differences between channels or connected devices. Switch to the connected device before you change the delta volume.

Use advanced teletext features

Access the teletext options menu

Most of the advanced teletext features are accessed via the teletext options menu.

1 Press **MHEG/TELETEXT**.
↳ The teletext screen appears.

2 Press **OPTIONS**.
↳ The teletext options menu appears.

3 Press ▲▼ to select one of the following options.

- **[Freeze page]**Freezes the current page.
- **[Dual/Full screen]**Enables and disables dual screen teletext, which splits the current channel or source to the left of the screen, with teletext on the right.
- **[Reveal]**Hides or reveals hidden information on a page, such as solutions to riddles or puzzles.
- **[Cycle subpage]**Cycles through subpages automatically if subpages are available.
- **[Language]**Switches to a different language group to display a language correctly when that language uses a different character set.

4 Press **OK** to confirm your choice.

5 Press **MHEG/TELETEXT** to exit the teletext options menu.

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Select teletext subpages

A teletext page can hold several subpages. Subpages are displayed on a bar next to the main page number.

1 Press **MHEG/TELETEXT** .
   ↳ The teletext screen appears.
2 Press ▲▼ to select a teletext page.
3 Press ◀▶ to enter a subpage.

Select T.O.P. teletext broadcasts

Table Of Pages (T.O.P.) teletext broadcasts allow you to jump from one subject to another without using page numbers. T.O.P. teletext is not broadcast on all TV channels.

1 Press **MHEG/TELETEXT**.
   ↳ The teletext screen appears.
2 Press **INFO**.
   ↳ The T.O.P. overview appears.
3 Press ▲▼◀▶ to select a subject.
4 Press **OK** to view the page.

Create and use lists of favourite channels

You can create lists of your preferred TV channels and radio stations so that you can find those channels easily.

Tip

- You can create and store up to four favourite lists on your TV.

Select a favourite list

1 When watching TV, press **OK** to display the channel grid.
2 Press **OPTIONS**.
   ↳ The channel options menu appears.
3 Press ▲▼ to select **[Show fav. ch.]** and press **OK**.
   ↳ The favourite lists appear.
4 Press ▲▼ to select a favourite list and press **OK**.
   ↳ Only channels in the favourite list appear in the channel grid.

Note

- The favourite channel grid is empty until you add channels into the favourite lists.

View all channels

You can exit a favourite list, and view all installed channels.

1 When watching TV, press **OK** to display the channel grid.
2 Press **OPTIONS**.
   ↳ The channel options menu appears.
3 Press ▲▼ to select **[Show fav. ch.]** > **[All]**.
4 Press **OK**.
   ↳ All channels are displayed in the channel grid.

Note

- All favourite channels will be marked by an asterisk when you view the channel grid.

Add a channel to a favourite list

Tip

- View all channels before adding a channel to a favourite list.

1 When watching TV, press **OK** to display the channel grid.
2 Press ▲▼◀▶ to select a channel you want to add to a favourite list.
3 Press **OPTIONS**.
   ↳ The channel options menu appears.

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4 Press ▲▼ to select **[Mark as favourite]** and press **OK**.
↳ The favourite lists appear.

5 Press ▲▼ to select a favourite list to add the channel to.

6 Press **OK**.
↳ The channel is added to the favourite list.

Tip

- When watching TV, save the current channel in a favourite list by pressing OPTIONS > **[Mark as favourite]**.

Remove a channel from a favourite list

Note

- Select the favourite list to edit, before removing a channel.

1 When watching TV, press **OK** to display the channel grid.

2 Press OPTIONS.
↳ The channel options menu appears.

3 Press ▲▼ to select **[Show fav. ch.]** and press **OK**.

4 Press ▲▼ to select a favourite list and press **OK** to edit.
↳ The favourite channel grid appears.

5 Press ▲▼◀▶ to select a channel that you wish to remove from the list.

6 Press OPTIONS.

7 Press ▲▼ to select **[Unmark as fav.]** and press **OK**.
↳ The channel is removed from the favourite list.

Use the Electronic Programme Guide

EPG is an on-screen guide available for digital channels. EPG allows you to:

- View a list of digital programmes being broadcast
- View upcoming programmes
- Group programmes by genre
- Set reminders when programmes start
- Set up preferred EPG channels

Switch on EPG

1 When watching TV, press GUIDE.
↳ The EPG planner screen appears displaying information about the scheduled programmes.

Note

- EPG data is available only in selected countries and can take some time to load.

Tip

- Press GUIDE to switch between EPG and channel grid.

Use EPG

1 When watching TV, press GUIDE.
↳ The EPG planner screen appears.

2 Press MENU.
↳ The program guide menu appears.

3 Press ▲▼◀▶ to select an option, and then press **OK** to confirm it.

4 Press MENU to exit the EPG menu.

Note

- Only the channels marked with [x] in the **[Pref. EPG channel]** list, appear in the EPG menu.

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Use the EPG options menu

Use the EPG options menu to set or clear reminders, change day and access other useful EPG options.

1 Press GUIDE.

2 Press OPTIONS.
↳ The EPG menu appears.

3 Press ▲▼ to select one of the following options.
- [Set remind]/ [Clear remind]
- [Change day]
- [Show info]
- [Search by genre]
- [Schedule reminders]
- [Pref. EPG channel]

4 Press OK to enter or activate the option.

5 Press BACK to exit the EPG menu.

Tip

- Press GUIDE to switch between EPG and channel grid.

Use timers

You can set timers to switch the TV on or switch to standby at a specified time.

Automatically switch the TV to standby (sleeptimer)

Sleeptimer switches the TV to standby after a pre-defined period of time.

Tip

- You can always switch off your TV earlier or reset the sleeptimer during the countdown.

1 Press MENU.

2 Press ▲▼◀▶ to select [Setup] > [Features] > [Sleep timer].
↳ The bar appears.

3 Press ◀▶ to set the sleep time.
↳ The sleeptimer can be up to 180 minutes in steps of five minutes. If set to zero minutes, the sleeptimer is switched off.

4 Press OK to activate the sleeptimer.
↳ The TV switches to standby after the pre-defined period of time.

Automatically switch the TV on (on timer)

You can switch the TV to a specified channel at a specified time, from standby or power-on mode.

1 Press MENU.

2 Press ▲▼◀▶ to select [Setup] > [Features] > [On timer].

3 Press OK or ▶ to enter the [On timer] menu.
- [Activate] Selects the frequency to [Off] or [Once] or [Daily].
- [Time] Sets the starting time to switch on the TV automatically.
- [Programme no.] Selects the channel.

4 Press MENU to exit.

Tip

- Select [On timer] > [Activate] > [Off] to disable [On timer].

Use TV lock and parental ratings

You can prevent your children from watching certain programmes or certain channels by locking the TV controls and by using ratings.

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Set or change code

1 Press ⌂ MENU.
2 Press ▲▼◀▶ to select **[Setup]** > **[Features]** > **[Set code]**.
3 Press **OK** or ▶ to enter the code setup.
4 Enter your code using the **Numeric buttons**.
5 Re-enter the same code in the new dialogue box for confirmation.
   ↳ If the code is set successfully, the dialogue box will disappear. However, if the code cannot be set, a new dialogue box will prompt you to re-enter the code.
6 If you want to change the code, select **[Setup]** > **[Features]** > **[Change code]**.
7 Enter your current code using the **Numeric buttons**.
   ↳ If the code is validated, a new dialogue box will prompt you to enter your new code.
8 Enter the new code using the **Numeric buttons**.
   ↳ A message appears prompting you to enter the new code again for confirmation.

Tip

- If you forget your code, enter '8888' to override any existing codes.

Lock or unlock the TV

Locking the TV prevents your child from accessing all channels and connected devices.

1 Press ⌂ MENU.
2 Press ▲▼◀▶ to select **[Setup]** > **[Features]** > **[TV lock]**.
   ↳ A screen appears prompting you to enter a code.
3 Enter your code using **Numeric buttons**.
   ↳ The **[TV lock]** menu appears.
4 Press ▲▼ to select **[Lock]** or **[Unlock]**.
5 Press **OK** to confirm.
   ↳ All channels and connected devices are locked or unlocked.

Note

- If you select **[Lock]**, you have to enter your code every time you turn on your TV to access all channels and connected devices.

Lock one or more channels

1 When watching TV, press **OK** to display the channel grid.
2 Press ▲▼◀▶ to select a channel to lock.
3 Press ☰ OPTIONS.
   ↳ The channel options menu appears.
4 Press ▲▼ to select **[Lock channel]** and press **OK** to enter.
   ↳ A code setup screen prompts you to enter your current code (only at first selection).
5 Enter your code and press **OK**.
6 Repeat the steps to lock more channels.

Note

- Restart the TV for the change to take effect.

Unlock one or more channels

1 When watching TV, press **OK** to display the channel grid.
2 Press ▲▼◀▶ to select a locked channel to unlock.
3 Press ☰ OPTIONS.
   ↳ The channel options menu appears.
4 Press ▲▼ to select **[Unlock channel]** and press **OK**.
   ↳ A code setup screen prompts you to enter your current code (only at first selection).

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5 Enter your code and press **OK**.
6 Repeat the process to unlock more channels.

Note

- Restart the TV for the change to take effect.
- If you use **P +/-** on your remote control to switch between channels, the locked channels are skipped.
- If you access the locked channels from the channel grid, a screen prompting you to enter your current code appears.

Set parental ratings

Some digital broadcasters rate their programmes according to age. You can set your TV to display only programmes with age ratings higher than your child's age.

1 Press **MENU**.
2 Press ▲▼◀▶ to select **[Setup]** > **[Features]** > **[Parental rating]**.
↳ A code setup screen appears.
3 Enter your code using **Numeric buttons**.
↳ The parental rating menu appears.
4 Press ▲▼ to select an age rating.
5 Press **OK** to confirm.
6 Press **MENU** to exit.

Use subtitles

You can enable subtitles for each TV channel. Subtitles are broadcast via teletext or DVB-T digital broadcasts. With digital broadcasts, you have the additional option of selecting a preferred subtitle language.

Enable subtitles on analogue TV channels

1 Select an analogue TV channel.
2 Press **MHEG/TELETEXT**.
3 Enter the three-digit page number of the subtitle page with the **Numeric buttons**.
4 Press **MHEG/TELETEXT** to switch off teletext.
5 Press **SUBTITLE**.
↳ The **[Subtitle mode]** menu appears.
6 Select **[On]** to display subtitles always or **[On during mute]** to display subtitles only when audio is muted.
7 Press **OK** to enable subtitles.

Note

- Repeat this procedure to enable subtitles on each analogue channel.

Tip

- Select **[Subtitle mode]** > **[Off]** to disable subtitles.

Enable subtitles on digital TV channels

1 When watching digital channels, press **SUBTITLE**.
↳ The **[Subtitle mode]** menu appears.
2 Select **[On]** to display subtitles always or **[On during mute]** to display subtitles only when audio is muted.
3 Press **OK** to enable subtitles.

Select a subtitle language on digital TV channels

Note

- When you select a subtitle language on a digital TV channel as described below, the preferred subtitle language set in the installation menu is temporarily overruled.

1 Press **MENU**.
2 Press ▲▼◀▶ to select **[Setup]** > **[Features]** > **[Subtitle language]**.

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3 Press **OK** or ▶ to enter the list of available languages.
4 Press ▲▼ to select a subtitle language.
5 Press **OK** to enable your selection.

Tip

- You can also access **[Subtitle language]** menu while watching TV by pressing **OPTIONS** > **[Subtitle language]**.

Use the TV clock

You can display a clock on the TV screen. The clock displays the current time using time data received from your TV service operator.

Display the TV clock

1 When watching TV, press **OPTIONS**.
↳ The TV option menu appears.
2 Select **[Clock]**.
3 Press **OK**.

Note

- To disable the clock, repeat the above procedure.

Change the clock mode

1 Press **MENU**.
2 Press ▲▼◀▶ to select **[Setup]** > **[Installation]** > **[Clock]** > **[Auto clock]**.
3 Press **OK** or ▶ to enter the **[Auto clock]** menu.
4 Press ▲▼ to select **[Automatic]** or **[Manual]**.
5 Press **OK** to confirm.

Change the time zone

1 Press **MENU**.
2 Press ▲▼◀▶ to select **[Setup]** > **[Installation]** > **[Clock]** > **[Time zone]**.
3 Press ▲▼ to select your time zone.
4 Press **OK** to confirm.

Note

- This option is only available if you select **[Auto clock]** > **[Manual]** (In countries with clock transmission data).

Use daylight saving

1 Press **MENU**.
2 Press ▲▼◀▶ to select **[Setup]** > **[Installation]** > **[Clock]** > **[Daylight saving]**.
3 Press **OK** or ▶ to enter **[Daylight saving]**.
4 Press ▲▼ to select **[Standard time]** or **[Daylight saving time]**.
5 Press **OK** to enable your selection.

Note

- This option is only available if you select **[Auto clock]** > **[Manual]**.

View photos and play music from a USB storage device

Caution

- Philips is not responsible if the USB storage device is not supported nor is it responsible for damage or loss of data from the device.

Your TV is fitted with a USB connector that enables you to view photos or listen to music stored on a USB storage device.

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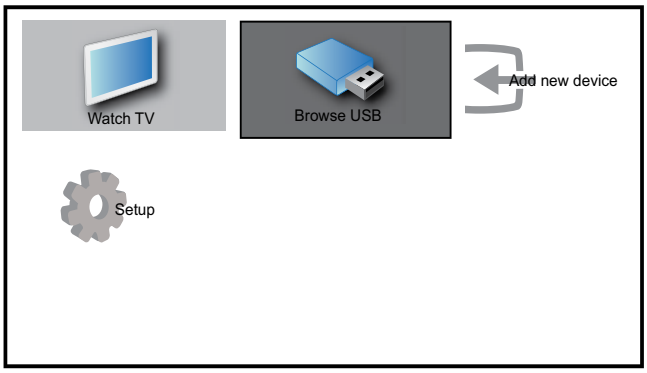
1 Turn on the TV.
2 Connect the USB device to the USB port on the side of your TV.
↳ The home menu appears.



3 Press ▲▼◀▶ to select **[Browse USB]**.
4 Press **OK** to confirm.
↳ The USB thumbnail browser appears.

Tip

- Press **GUIDE** to switch between thumbnail and file browsing views.

View photos

1 In the USB thumbnail browser, select **[Picture]** and press ▶ to enter.
2 Press **GUIDE** to switch between thumbnail and file browsing views.
3 Press ▲▼◀▶ to select a photo or a photo album.
4 Press **OK** to view the selected photo in full screen mode.

Tip

- When in full screen mode, press ◀▶ to move between photos.

View a slide show of your photos

1 When a full screen image of a photo is displayed, press **OK**.
↳ A slide show begins from the selected image.
2 Press:
- **OK** to pause the slide show.
↳ The ❚❚ icon appears.
- Press ◀▶ to go back or move forward to the next image.
- **BACK** to stop the slide show.

Change slide show settings

1 When viewing a slide show, press **OPTIONS**.
↳ The slide show options menu appears.
2 Press ▲▼ to select one of the following.
- **[Start/Stop slide.]**Starts or stops a slide show.
- **[Slideshow trans.]**Sets the transition from one picture to the next.
- **[Slideshow freq.]**Sets the amount of time that a picture is shown.
- **[Rotate image]**Rotates a picture.
- **[Show info]**Displays the picture name, date, size and next picture in the slide show.

3 Press **OK** to confirm your setting.

Note

- **[Rotate image]** and **[Show info]** appear only when you press **OK** or ▶❚❚ to pause the slideshow.

Listen to music

1 In the USB thumbnail browser view, select **[Music]** and press ▶ to enter.
2 Press **GUIDE** to switch between thumbnail and file browsing views.
3 Press ▲▼◀▶ to select music or a music album.
4 Press **OK** to play the selected music.

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Music settings

When listening to music, press OPTIONS to access one of the following music settings.

- [Start/Stop play]
- [Repeat/Play once]
- [Shuffle on/off]
- [Show info]
- [TV speakers]

Disconnect a USB storage device

Caution

- Follow this procedure to avoid damage to your USB storage device.

1 Press BACK to exit the USB browser.
2 Wait for five seconds before you disconnect the USB storage device.

Listen to digital radio channels

If digital broadcasting is available, digital radio channels are installed automatically during installation.

1 When watching TV, press **OK** to display the channel grid.
2 Press OPTIONS.
3 Press ▲▼ to select **[Filter channels]** > **[Radio]**.
↳ The radio channel grid appears.
4 Press ▲▼◀▶ to select a radio channel and press **OK** to listen.

Note

- Select **[Filter channels]** > **[All]** to exit radio channels and view all channels.

Update the TV software

Philips continuously tries to improve its products and we recommend that you update the TV software when updates are available. Check www.philips.com/support for availability.

Check the current software version

1 Press MENU.
2 Press ▲▼◀▶ to select **[Setup]** > **[Software update]** > **[Current software]**.
↳ The TV displays the current software information.

Update software (digital broadcasts)

You can update the TV software via a USB device or OAD.

Update using a USB device

Connect your USB device to the USB port at the side of your TV.

1 If the software update screen does not appear automatically, select **[Setup]** > **[Software update]** > **[Local updates]** > **[USB]** to update the TV software manually.
2 Follow the on-screen instructions to complete the update.

Note

- The TV restarts after the software update is complete.

Update using OAD (On the Air software Download)

1 If using (DVB-T) digital broadcast, your TV automatically receives software updates. If you receive a message on your screen asking you to update your software:

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- Select **[Update now]** to update the software immediately.
- Select **[Remind me later]** to exit the update screen at that time and be reminded later.
- Select **[Cancel]** to skip the update.

2 If you select **[Cancel]**, you can manually access the OAD update by selecting **[Setup]** > **[Software update]** > **[Local updates]** > **[OAD]**.

3 Select the available version of OAD and press **OK**.

4 Follow the on-screen instructions to start the update.

Note

- The TV restarts after the software update is complete.

Change TV preferences

1 Press ⌂ **MENU**.

2 Press ▲▼◀▶ to select **[Setup]** > **[Installation]** > **[Preferences]**.

3 Press **OK** or ▶ to enter **[Preferences]**.

- **[Location]**Optimises TV settings for your location - home or shop.
- **[Volume bar]**Displays the volume bar when adjusting the volume.
- **[Channel info.]**Displays information about the TV channel every time you switch channels. Select **[Full]** to view channel information or **[Off]** to turn off the channel information.
- **[EasyLink]**Enables one-touch play and one-touch standby between EasyLink-compliant devices.
- **[E-sticker]**For shop mode only. Sets the location of the e-sticker.

Access decoder channel

You can map channels provided through a decoder or descrambler to your TV channel selection. In this way, you can select these channels by using the RC of your TV. The decoder or a descrambler must be connected to EXT1 (SCART).

Set decoder channel

Map channels from a decoder or descrambler

1 Press ⌂ **MENU**.

2 Press ▲▼◀▶ to select **[Setup]** > **[Installation]** > **[Preferences]** > **[Decoder]**.

3 Press **OK** or ▶ to enter **[Decoder]** menu .

4 Press ▲▼ to select **[Channel]** and press **OK** or ▶ to enter.
↳ A list of analogue channels appears on the screen.

5 Press ▲▼ to select one channel to map to the decoder/descrambler channel and press **OK** to confirm.

6 Select **[Status]** and press **OK** or ▶ to enter.

7 Press ▲▼ to select **[EXT 1]** (SCART) the connector used by the decoder/ descrambler.

8 Press **OK**.

9 Press ⌂ **MENU** to exit.

Start a TV demo

1 Press **DEMO** on the remote control.

2 Press ▲▼ to select a demo and press **OK** to view it.

3 Press **DEMO** to exit.

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Reset the TV to factory settings

You can restore the default picture and sound settings of your TV. Channel installation settings remain the same.

1 Press ⌂ MENU.

2 Press ▲▼◀▶ to select **[Setup]** > **[Installation]** > **[Factory settings]**.

3 Press **OK** or ▶ to enter the **[Factory settings]** menu.
↳ A factory setting message appears.

4 Select **[Reset]** to start resetting.

5 Press ⌂ MENU to exit.

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6 Install channels

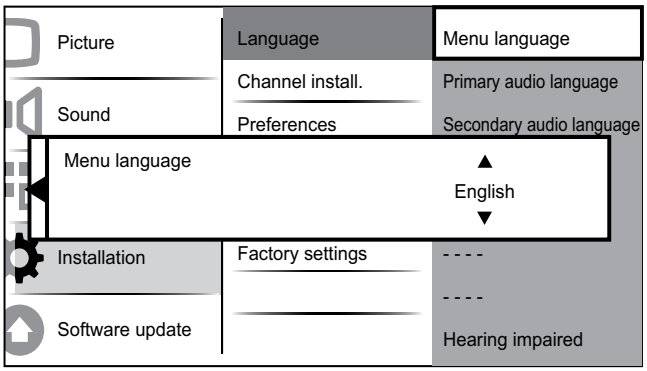
The first time you set up your TV, you are prompted to select a menu language and to install TV and digital radio channels (if available). This chapter provides instructions on how to re-install and fine tune channels.

Automatically install channels

This section describes how to search and store channels automatically.

Step 1 Select your menu language

1 Press ⌂ MENU.
2 Press ▲▼◀▶ to select **[Setup]** > **[Installation]** > **[Language]** > **[Menu language]**.
3 Press **OK** or ▶ to enter **[Menu language]**.

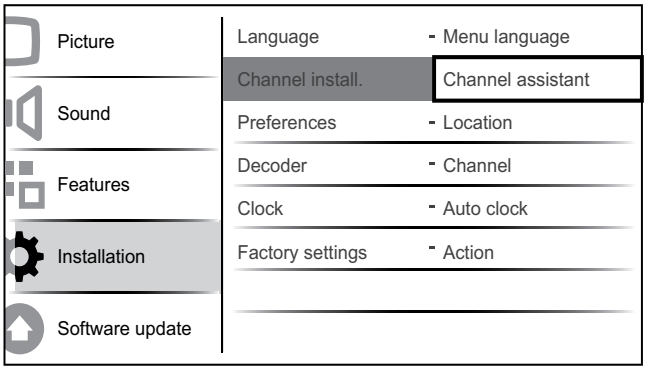


4 Press ▲▼ to select a language setting.
5 Press **OK** to confirm.
6 Press ◀ to return to **[Installation]** menu.

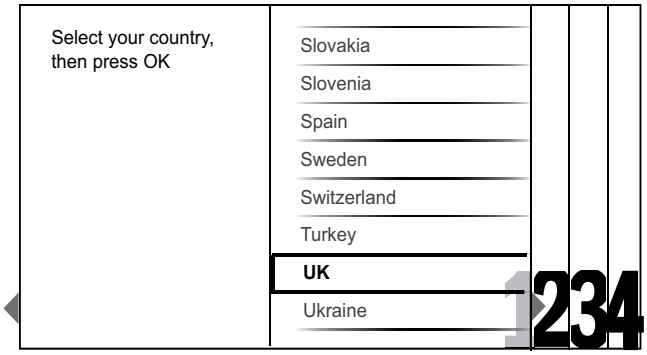
Step 2 Select your country

Select your country for proper channel installation.

1 Press ⌂ MENU.
2 Press ▲▼◀▶ to select **[Setup]** > **[Installation]** > **[Channel install.]** > **[Channel assistant]**.



3 Press **OK** or ▶ to enter the menu.
↳ The country menu appears.

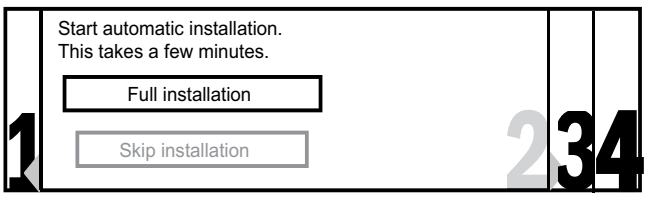


4 Press ▲▼ to select your country.
5 Press **OK** to confirm your choice.
↳ The channel installation guide appears on the screen.

Step 3 Install channels

Install the available analogue and digital TV channels and digital radio channels automatically.

1 From the channel installation guide screen (see 'Step 2 Select your country' on page 24), select **[Full installation]** to automatically install all TV channels and digital radio channels.



2 Press **OK** to confirm.
↳ The TV starts to search and store all the available channels.

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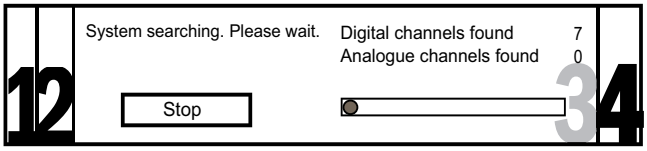


3 When installation is complete, press **OK** to return to **[Installation]** menu.

Step 4 Update the channel list

You can choose to enable auto update of channels, if your TV is in standby mode. If you enable this feature, the channels stored in your TV will be updated every morning according to the channel information in the broadcast.

1 Press **MENU**.
2 Press ▲▼◀▶ to select **[Setup]** > **[Installation]** > **[Channel install.]** > **[Standby update]**.
3 Select **[On]** to enable the automatic update or select **[Off]** to disable it.

Manually install channels

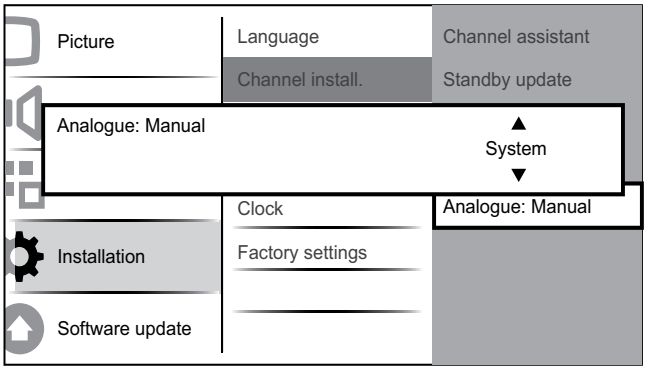
This section describes how to search and store analogue TV channels manually.

Step 1 Select your system

Note

- Skip this step if your system settings are correct.

1 Press **MENU**.
2 Press ▲▼◀▶ to select **[Setup]** > **[Installation]** > **[Channel install.]** > **[Analogue: Manual]**.
↳ The **[Analogue: Manual]** menu appears.



3 Press **OK** or ▶ to enter **[System]** menu.
4 Press ▲▼ to select your country or region.
5 Press **OK** to confirm.
6 Press ◀ to return to **[Channel install.]** menu.

Step 2 Search and store new TV channels

1 Press **MENU**.
2 Press ▲▼◀▶ to select **[Setup]** > **[Installation]** > **[Channel install.]** > **[Analogue: Manual]**.
↳ The **[Analogue: Manual]** menu appears.
3 Press ▲▼ to select **[Search]** and then **OK** or ▶ to enter **[Search]**.
4 Press ▲▼◀▶ to manually enter the three-digit frequency.
5 Press **OK** to begin search.
↳ If a channel is unavailable at the selected frequency, press **OK** to search for the next available channel.
6 Press **BACK** when the new channel is found.
7 Press ▲▼ to select **[Store new channel]** to store the new channel under a new channel number.
8 Press **OK** or ▶ to enter **[Store new channel]** and press **OK**.
9 Press ◀ to return to the **[Analogue: Manual]** menu.

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Step 3 Fine-tune analogue channels

1 Press ⌂ MENU.
2 Press ▲▼◀▶ to select **[Setup]** > **[Installation]** > **[Channel install.]** > **[Analogue: Manual]**.
↳ The **[Analogue: Manual]** menu appears.
3 Press ▲▼ to select **[Fine-tune]** and then **OK** or ▶ to enter **[Fine-tune]**.
4 Press ▲▼ to adjust frequency.
5 Press **OK** when done.
6 Press ▲▼ to select **[Store current channel]** to store the fine-tuned channel under the current channel number.
7 Press **OK** or ▶ to enter **[Store curr. chan.]** and press **OK**.
8 Press ◀ to return to the **[Channel install.]** menu.

Rename channels

Channels can be renamed so that a name of your choice appears whenever the channel is selected.

1 When watching TV, press **OK** to display the channel grid .
2 Press ▲▼◀▶ to select the channel you want to rename.
3 Press ▤ OPTIONS.
↳ The channel options menu appears.
4 Press ▲▼ to select **[Rename channel]**.
↳ A text input box appears.
5 Press ▲▼◀▶ to select and change characters.
6 Select **[Done]** to finish renaming channels.

Tip

- Use **[Aa]** to change upper-case letter to lower-case letter and vice versa.

Reorder channels

After you install channels, you can rearrange the order in which they appear.

1 When watching TV, press **OK** to display the channel grid .
2 Press ▤ OPTIONS.
↳ The channel options menu appears.
3 Press ▲▼ to select **[Reorder]** and then **OK** to return to the channel grid.
4 Press ▲▼◀▶ to select the channel you want to reorder and press **OK**.
↳ The selected channel is highlighted.
5 Press ▲▼◀▶ to move the highlighted channel to your preferred position.
6 Press ▤ OPTIONS.
↳ **[Done reordering]** appears on the screen.
7 Press **OK** to finish reordering.

Test digital reception

If using digital broadcasts, you can check the quality and signal strength of digital channels. This allows you to reposition and test your antenna or satellite dish.

1 Press ⌂ MENU.
2 Press ▲▼◀▶ to select **[Setup]** > **[Installation]** > **[Channel install.]** > **[Digital: test recept]**.
3 Press **OK** or ▶ to enter the menu.
4 Press ▲▼◀▶ to enter the frequency of the channel you want to test.
5 Press **OK** to confirm the frequency and then press **OK** again to confirm **[Search]**.
6 When complete, select **[Store]** to store the frequency.

Note

- If the signal quality and strength is poor, reposition the antenna or satellite dish and retest.
- If you still have problems with the reception of your digital broadcast, contact a specialised installer.

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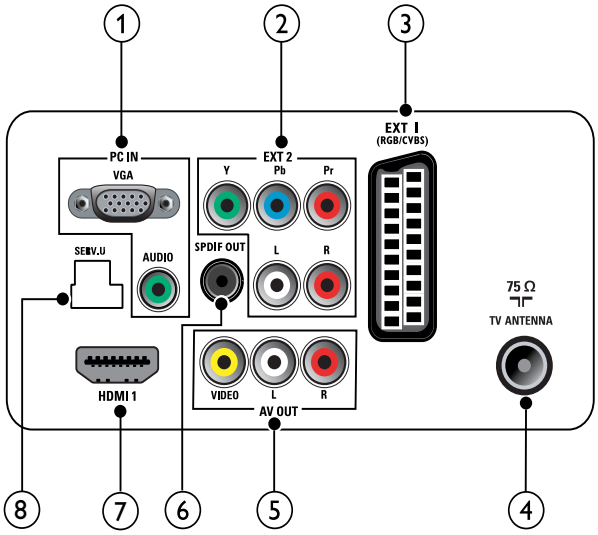
7 Connect devices

This section describes how to connect various devices with different connectors and supplements examples provided in the Quick Start.

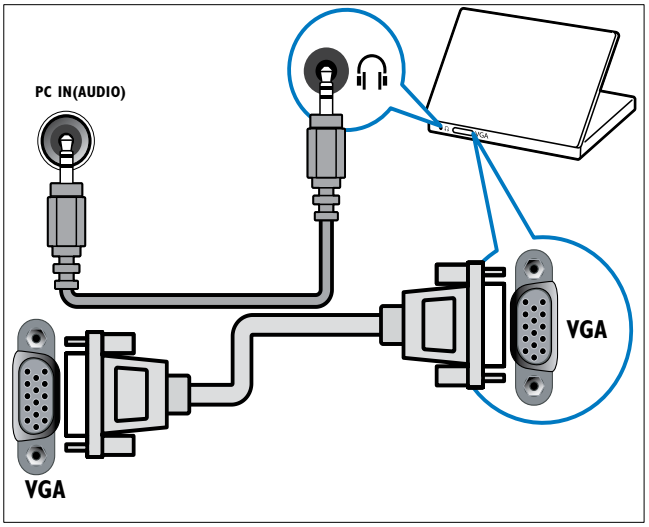
Note

- Different types of connectors may be used to connect a device to your TV, depending on availability and your needs.

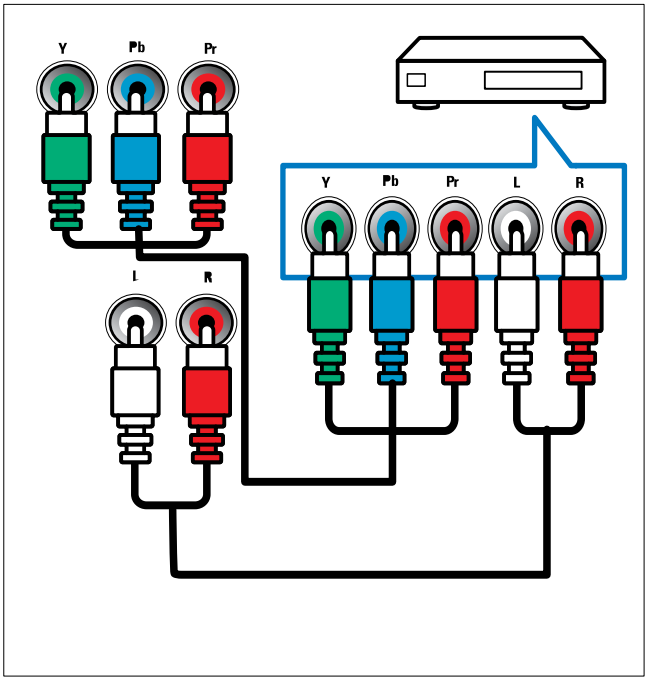
Back connector for 19-22 inch TV



① PC IN (VGA and AUDIO IN)
Audio and video input from a computer.



② EXT 2 (Y Pb Pr and AUDIO L/R)
Analogue audio and video input from analogue or digital devices such as DVD players or game consoles.



English

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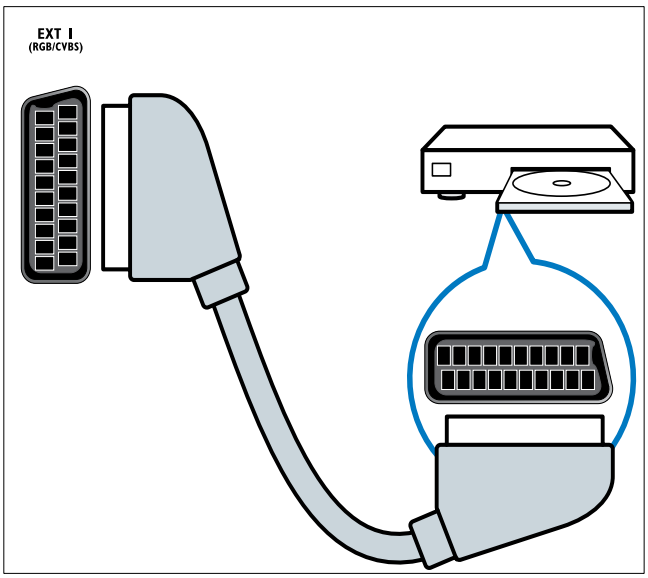
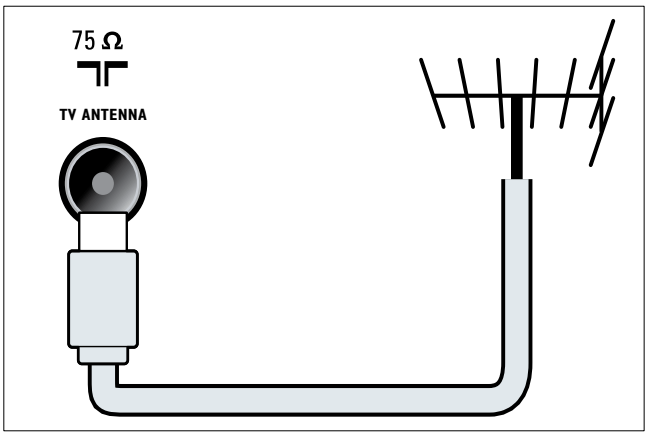
③ EXT 1 (CVBS and RGB)

Analogue audio and video input from analogue or digital devices such as DVD players or game consoles.



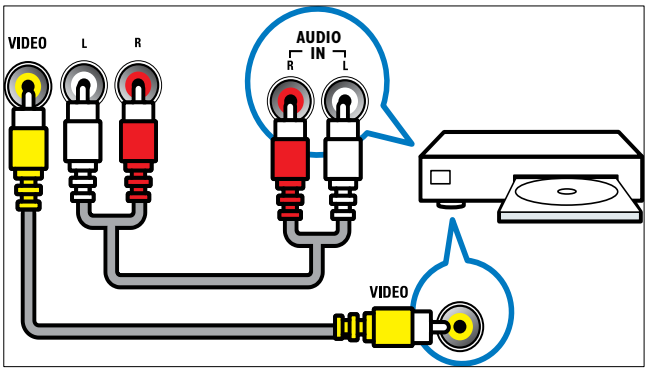
④ TV ANTENNA

Signal input from an antenna, cable or satellite.



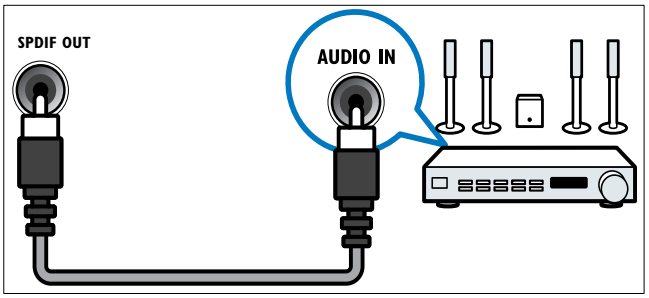
⑤ AV OUT (VIDEO OUT and AUDIO OUT L/R)

Audio and video output to analogue devices such as another TV or a recording device.



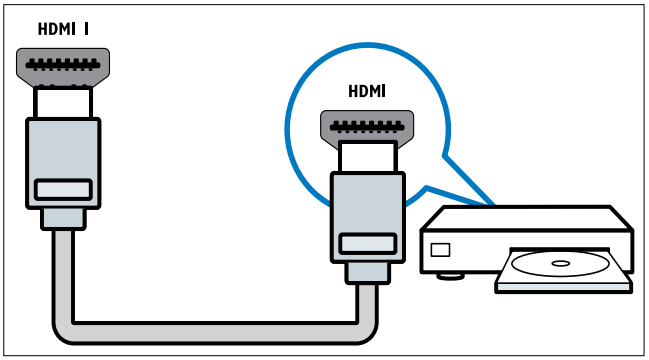
⑥ SPDIF OUT

Digital audio output to home theatres and other digital audio systems.



⑦ HDMI 1

Digital audio and video input from high-definition digital devices such as Blu-ray players.



Connections via DVI or VGA require an additional audio cable (see 'Connect a computer' on page 31).

⑧ SERV. U

For software update.

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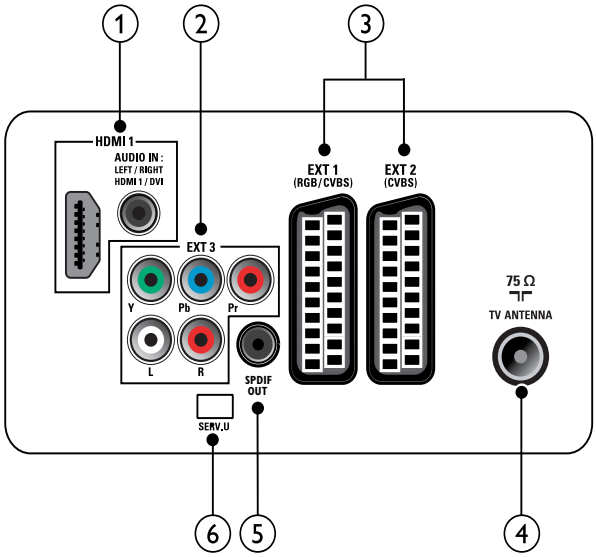
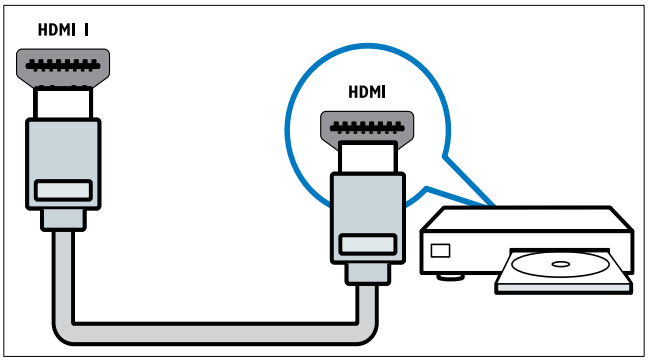
Back connector for 26 inch TV and larger



① HDMI 1 (HDMI and AUDIO IN)

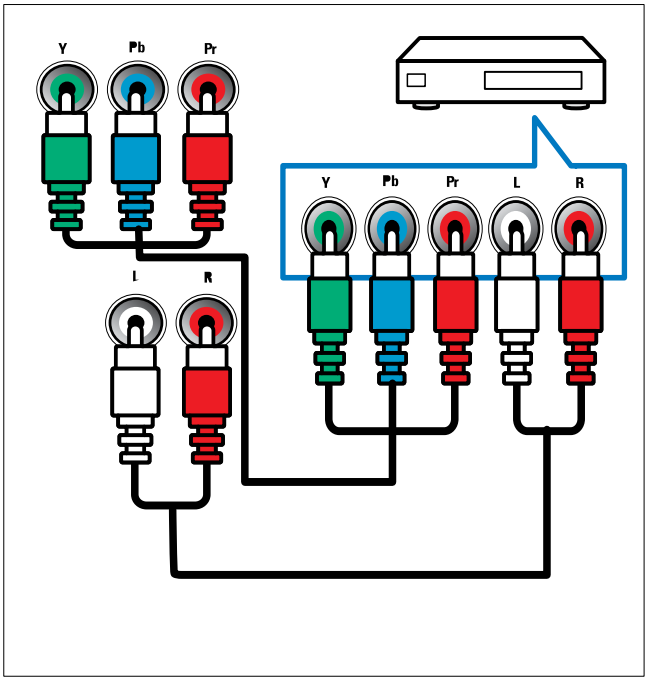
Digital audio and video input from high-definition digital devices such as Blu-ray players.



Audio input from devices that require a separate audio connection, such as a computer.
Connections via DVI or VGA require an additional audio cable (see 'Connect a computer' on page 31).

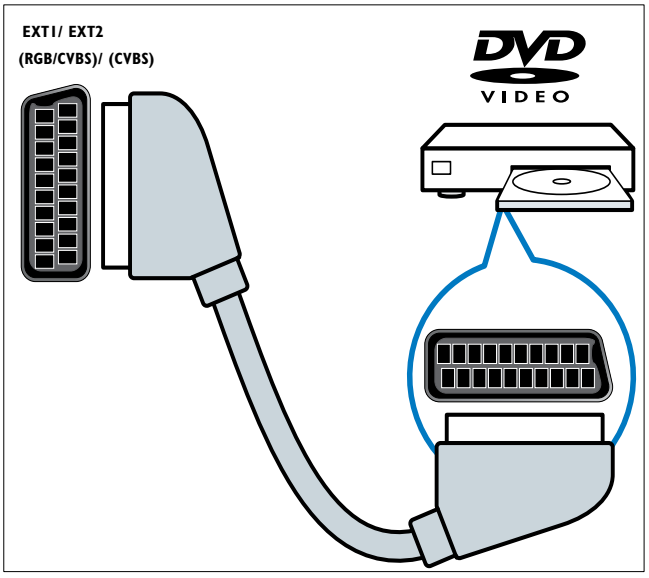
② EXT 3 (Y Pb Pr and AUDIO L/R)

Analogue audio and video input from analogue or digital devices such as DVD players or game consoles.



③ EXT 1 (RGB and CVBS)/EXT 2 (CVBS)

Analogue audio and video input from analogue or digital devices such as DVD players or game consoles. EXT 2 supports S-Video.



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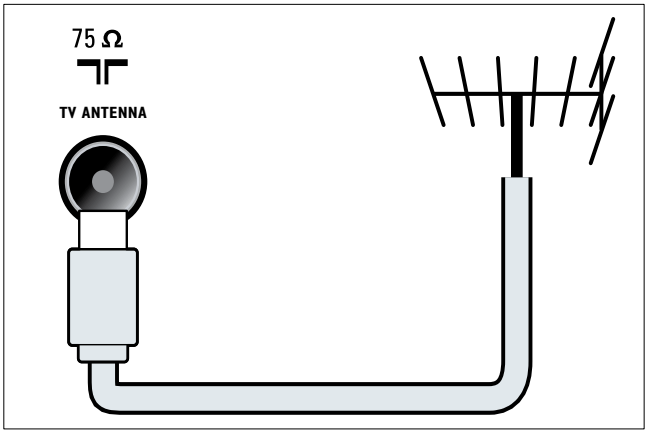
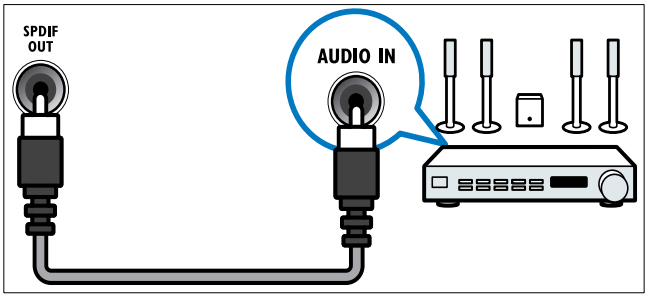
④ TV ANTENNA

Signal input from an antenna, cable or satellite.



⑤ SPDIF OUT

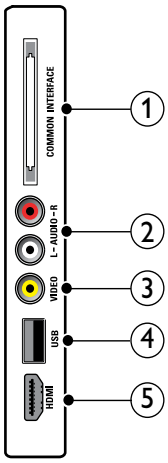
Digital audio output to home theatres and other digital audio systems.



⑥ SERV. U

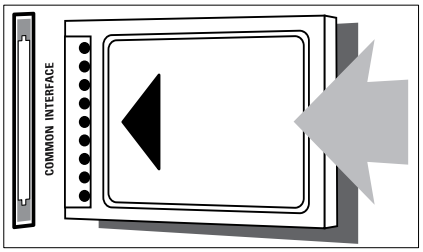
For software update.

Side connector



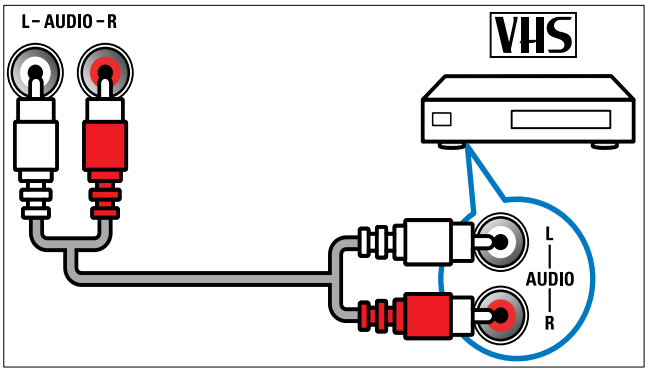
① COMMON INTERFACE

Slot for a Conditional Access Module (CAM).



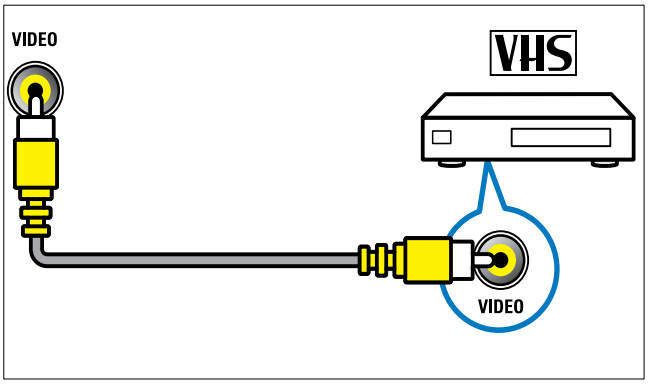
② AUDIO L/R

Audio input from analogue devices connected to **VIDEO**.



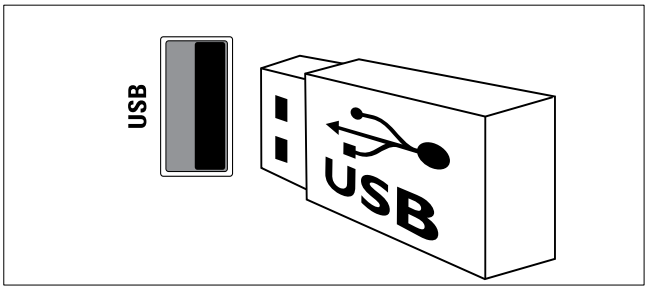
③ VIDEO

Composite video input from analogue devices such as VCRs.



④ USB

Data input from USB storage devices.



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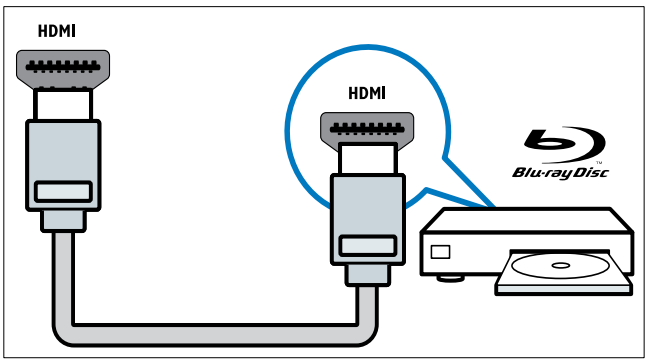
⑤ HDMI (Only for TVs 26 inches and larger)

Digital audio and video input from high-definition digital devices such as Blu-ray players.



Connect a computer

Before you connect a computer to the TV

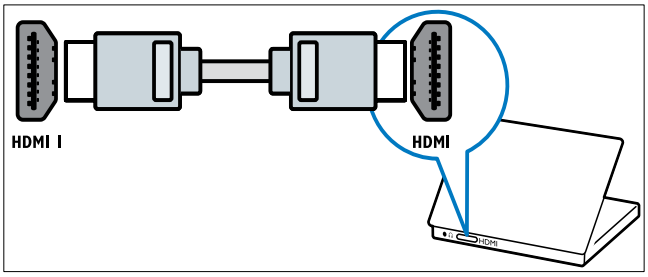
- Set the screen refresh rate on your computer to 60Hz.
- Select a supported screen resolution on your computer.

Connect a computer with one of the following connectors:

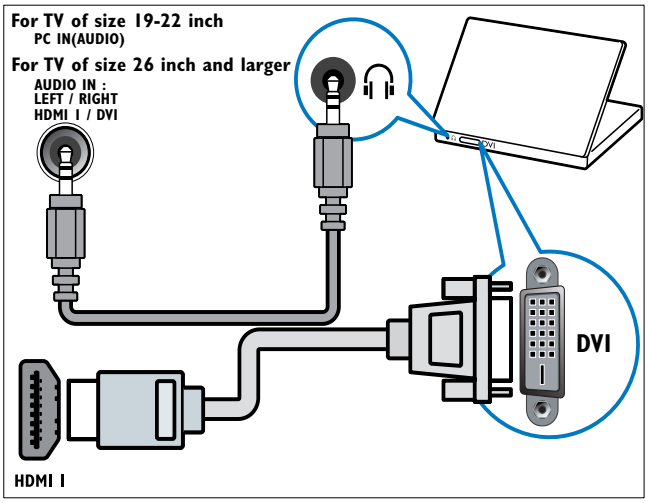
Note

- Connections via DVI or VGA require an additional audio cable.

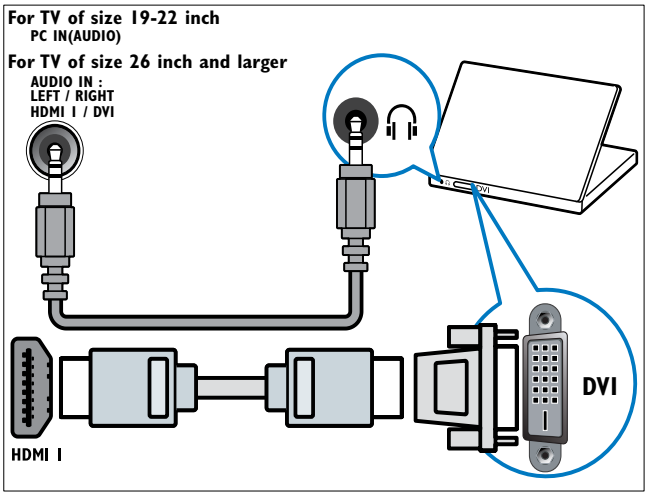
- HDMI cable



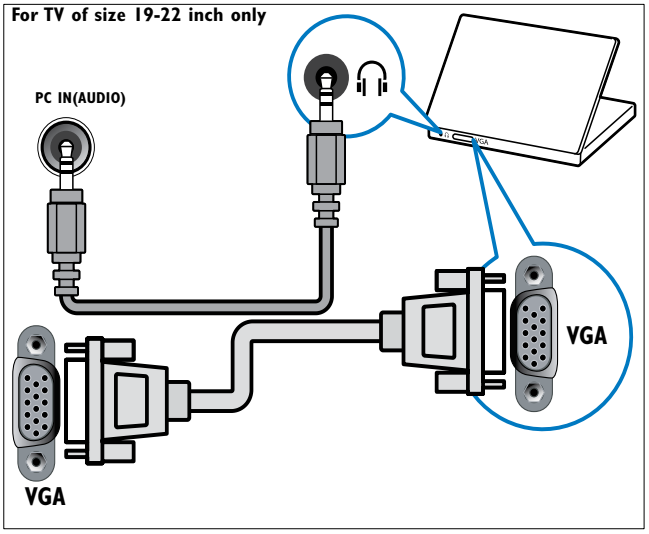
- DVI-HDMI cable



- HDMI cable and HDMI-DVI adaptor



- VGA cable



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Use a Conditional Access Module

A Conditional Access Module (CAM) is provided by digital TV service operators to decode digital TV channels.

Note

- If required, refer to documentation from your operator on how to insert a smart card into the Conditional Access Module.

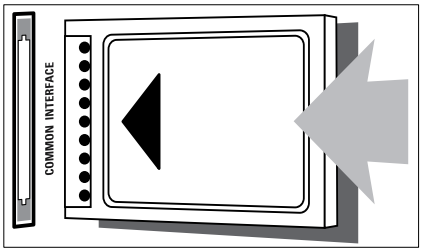
Insert and activate a CAM

Caution

- Be sure to follow the instructions described below. Wrong insertion of a CAM may damage both the CAM and your TV.

1 Switch off the TV.

2 Following the directions printed on the CAM, gently insert the CAM into the **COMMON INTERFACE** at the side of the TV.



3 Push the CAM in as far as it will go.

4 Turn on the TV and wait for the CAM to be activated. This may take several minutes. Do not remove the CAM from the slot when in use — removing the CAM will deactivate digital services.

Access CAM services

1 After inserting and activating the CAM, press **MENU**.

2 Press ▲▼◀▶ to select **[Setup]** > **[Features]** > **[Common interface]**.
↳ Applications provided by the digital TV service operator appear on the screen.

Note

- This menu option is available only if the CAM is inserted and activated correctly.

Use Philips EasyLink

Your TV supports Philips EasyLink, which enables one-touch play and one-touch standby between EasyLink-compliant devices.

Note

- Compliant devices must be connected to your TV via HDMI.

Enable or disable EasyLink

Note

- Do not enable Philips EasyLink if you do not intend to use it.

1 Press **MENU**.

2 Press ▲▼◀▶ to select **[Setup]** > **[Installation]** > **[Preferences]** > **[EasyLink]**.

3 Select **[On]** or **[Off]**.

Use one-touch play

1 After enabling EasyLink, press play on your device.
↳ The TV automatically switches to the correct source.

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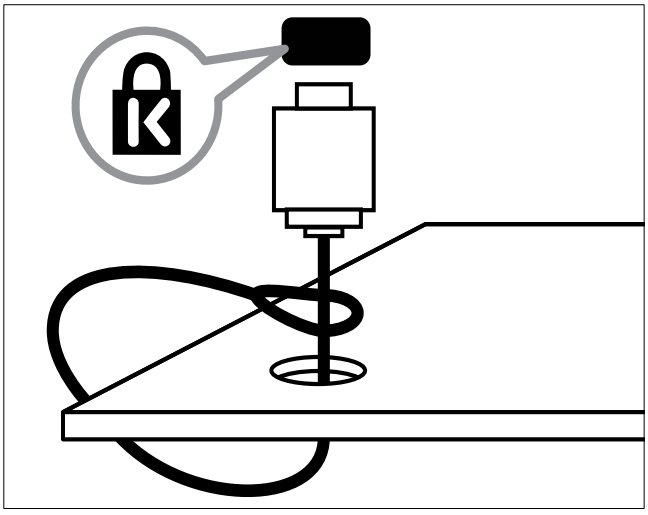
Use one-touch standby

1 Press and hold ⏻**Standby** on the TV's or device's remote control for at least three seconds.
   ↳ The TV and all connected HDMI devices switch to standby.

Use a Kensington lock

There is a Kensington security slot at the back of the TV. Prevent theft by looping a Kensington lock between the slot and a permanent object, such as a heavy table.



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8 Product information

Product information is subject to change without notice. For detailed product information, go to www.philips.com/support.

Supported display resolutions

Computer formats

- Resolution - refresh rate:
  - 640 x 480 - 60Hz
  - 800 x 600 - 60Hz
  - 1024 x 768 - 60Hz
  - 1280 x 1024 - 60 Hz
  - 1360 x 768 - 60Hz
  - 1440 x 900 - 60Hz (For Full HD only)
  - 1680 x 1050 - 50Hz, 60Hz (For Full HD only)
  - Via HDMI/DVI input

Video formats

- Resolution - refresh rate:
  - 480i - 60Hz
  - 480p - 60Hz
  - 576i - 50Hz
  - 576p - 50Hz
  - 720p - 50Hz, 60Hz
  - 1080i - 50Hz, 60Hz
  - 1080p - 24Hz, 25Hz, 30Hz, 50Hz, 60Hz.

Multimedia

- Supported storage device: USB (Only FAT or FAT 32 USB storage devices are supported)
- Supported multimedia file formats:
  - Images: JPEG
  - Audio: MP3

Note

- Multimedia file names must not exceed 128 characters.

Tuner/Reception/ Transmission

- Aerial input: 75ohm coaxial (IEC75)
- DVB: DVB Terrestrial, DVB-T MPEG4 (only in some models)
- TV system: DVB COFDM 2K/8K; PAL I, B/G, D/K; SECAM B/G, D/K, L/L'
- Video playback: NTSC, SECAM, PAL
- Tuner Bands: Hyperband, S-channel, UHF, VHF

Remote control

- Type: PF01E09B
- Batteries: 2 x AAA (LR03 type)

Power

- Mains power: 220-240V, 50Hz
- Standby power: < 0.3W
- Ambient temperature: 5 to 40 degrees Celsius

Supported TV mounts

To mount the TV, purchase a Philips TV mount or a VESA-compatible TV mount. To prevent damage to cables and connectors, be sure to leave a clearance of at least 2.2 inches or 5.5cm from the back of the TV.

Warning

- Follow all instructions provided with the TV mount. Koninklijke Philips Electronics N.V. bears no responsibility for improper TV mounting that results in accident, injury or damage.

TV screen size (inches)	Required pitch (mm)	Required mounting bolts
19	100 x 100	4 x M4
22	100 x 100	4 x M4
26	100 x 200	6 x M4
32	200 x 200	4 x M6
42	400 x 400	4 x M6

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9 Troubleshooting

This section describes commonly encountered issues and accompanying solutions.

General TV issues

The TV does not switch on:

- Disconnect the power cable from the power outlet. Wait for one minute then reconnect it.
- Check that the power cable is securely connected.

The remote control is not working properly:

- Check that the remote control batteries are correctly inserted according to the +/- orientation.
- Replace the remote control batteries if they are flat or weak.
- Clean the remote control and TV sensor lens.

The standby light on the TV blinks red:

- Disconnect the power cable from the power outlet. Wait until the TV cools down before reconnecting the power cable. If the blinking reoccurs, contact Philips Consumer Care.

You forgot the code to unlock the TV lock feature

- Enter '8888'.

The TV menu is in the wrong language.

- Change the TV menu to your preferred language.

When turning the TV on/off/to standby, you hear a creaking sound from the TV chassis:

- No action is required. The creaking sound is normal expansion and contraction of the TV as it cools down and warms up. This does not impact performance.

TV channel issues

Previously installed channels do not appear in the channel list:

- Check that the correct channel list is selected.

No digital channels were found during the installation:

- Check that the TV supports DVB-T or DVB-C in your country. See the listed countries on the back of the TV.

Picture issues

The TV is on, but there is no picture:

- Check that the antenna is properly connected to the TV.
- Check that the correct device is selected as the TV source.

There is sound but no picture:

- Check that the picture settings are correctly set.

There is poor TV reception from an antenna connection:

- Check that the antenna is properly connected to the TV.
- Loudspeakers, unearthed audio devices, neon lights, high buildings and other large objects can influence reception quality. If possible, try to improve the reception quality by changing the antenna direction or moving devices away from the TV.
- If reception on only one channel is poor, fine tune this channel.

There is poor picture quality from connected devices:

- Check that the devices are connected properly.
- Check that the picture settings are correctly set.

The TV did not save your picture settings:

- Check that the TV location is set to the home setting. This mode offers you the flexibility to change and save settings.

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The picture does not fit the screen; it is too big or too small:

- Try using a different picture format.

The picture position is incorrect:

- Picture signals from some devices may not fit the screen correctly. Check the signal output of the device.

Sound issues

There is a picture but sound quality is poor:

Note

- If no audio signal is detected, the TV automatically switches the audio output off — this does not indicate malfunction.

- Check that all cables are properly connected.
- Check that the volume is not set to 0.
- Check that the sound is not muted.

There is a picture but the sound quality is poor:

- Check that the sound settings are correctly set.

There is a picture but sound comes from one speaker only:

- Verify that sound balance is set to the centre.

HDMI connection issues

There are problems with HDMI devices:

- Note that HDCP support can delay the time taken for a TV to display content from a HDMI device.
- If the TV does not recognize the HDMI device and no picture is displayed, try switching the source from one device to another and back again.
- If there are intermittent sound disruptions, check that output settings from the HDMI device are correct.
- If a HDMI-to-DVI adaptor or HDMI to DVI cable is used, check that an additional audio cable is connected to **AUDIO L/R** or **AUDIO IN** (mini-jack only).

Computer connection issues

The computer display on the TV is not stable:

- Check that a supported resolution and refresh rate is selected on the computer.
- Set the TV picture format to unscaled.

Contact us

If you cannot resolve your problem, refer to the FAQs for this product at www.philips.com/support.
If the problem remains unresolved, contact Philips Consumer Care in your country as listed in the Addendum.

Warning

- Do not attempt to repair the product yourself. This may cause severe injury, irreparable damage to your product or void your warranty.

Note

- Make a note of your TV model and serial number before you contact Philips. These numbers are printed on the back of the TV and on the packaging.

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10 Index

B

batteries 34
bracket 34

C

Channel list
- favourite 14
- troubleshooting 35
- update 14

channels
- favourite list 14
- install
  - automatic 24
  - manual 25
- rename 26
- test reception 26

child lock
- ratings lock 18

clock 19
computer format
- technical specifications 34

Conditional Access Module 32
connections
- HDMI
  - troubleshooting 36
- mains cord 27
- technical specifications 34
- troubleshooting 36

D

demo 22
devices
- watch 9

digital channel
- test reception 26

digital radio 21
digital services
- CAM 32
- teletext 13

display
- resolution 34

E

EasyLink
- disable 32
- enable 32
- one-touch play 32
- one-touch standby 33

environmental care 5

F

factory settings 23
favourite list
- select 14
- set up 14

H

HDMI cable
- troubleshooting 36

I

install channels
- automatic 24
- manual 25

K

Kensington lock 33

L

location 22
lock
- Kensington 33

M

menu
- main menu 10
- teletext 13

Multimedia
- technical specifications 34

multimedia
- listen to music 20
- view photos 20

Downloaded From TV-Manual.com Manuals

music
digital radio 21
USB 20

O

One-touch play 32
One-touch standby 33

P

picture format
picture format change 11
troubleshooting 35
Picture settings 10

R

ratings 18
reception 35
remote control
overview 6
technical specifications 34

S

settings assistant 10
sleep timer 16
Smart card 32
Smart settings 10, 12
software
version 21
sound settings 12
subtitles
language 18
on analogue channel 18
on digital channel 18

T

Table of Pages 14
technical specifcations 34
Teletext
features 13
subpages 14
table of pages 14
timer
on timer 16
standby 16
troubleshooting 35
TV
adjust volume 9
menu 10
screen care 5
software 21
standby 8
switch channels 8
switch off 8
switch on 8
troubleshooting 35
tuner technical specifications 34
wall mount 34
TV lock
lock channels 17
lock connected devices 17

V

Video format
video format technical specifications 34
volume
adjust 9

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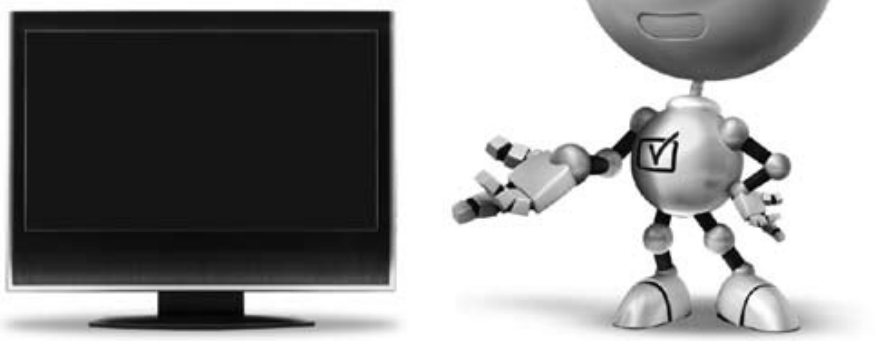
Information about how to re-tune your TV during the **digital** TV switchover.

Keep this user manual safe – you'll need it.



Television in the UK is going digital, bringing us all more choice and new services. Starting in late 2007 and ending in 2012, television services in the UK will go completely digital, TV region by TV region.

Please see the next page to find out when your area switches to digital.

Digital UK is the independent, non-profit organisation leading the process of digital TV switchover in the UK. Digital UK provides impartial information on what people need to do to prepare for the move to digital, and when they need to do it.

How the switchover affects your TV equipment:

Your new TV has a digital tuner built in, which means it is ready to receive the Freeview signal by simply plugging it into your aerial socket (check if you can get digital TV through your aerial now, or whether you'll have to wait until switchover, at www.digitaluk.co.uk).

When the TV switchover happens in your area, there are at least two occasions when you will need to re-tune your TV in order to continue receiving your existing TV channels, and also to pick up new ones.

get set for digital

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Digital UK, the body leading the digital TV switchover, will advise you when you need to re-tune during the switchover.
If you choose to connect your TV to satellite or cable with a digital box then it will not be affected by switchover, and you won't need to re-tune.

If you have any questions, please contact your equipment supplier or call Digital UK on ... 0845 6 50 50 50 or visit www.digitaluk.co.uk

How to re-tune:

To find out how to re-tune your TV, check this user manual for details.
Go to section **6 Install channels**.

If you do not re-tune your channels when advised to do so by Digital UK, you may lose some or all of your channels until you do re-tune. You should re-tune your TV every few months to check for any new channels.

If you are missing any channels, it may be that they are not available in your area, or that your aerial needs upgrading.

When does switchover happen?

*Copeland switches on October 17, 2007

The exact date you switch depends on the transmitter you are served by. To check when you switch, go to Digital UK's postcode checker on www.digitaluk.co.uk

Check your ITV news service or look at Teletext page 106 to see what TV region you're in.

Visit us at **digitaluk.co.uk**
Call us on **0845 6 50 50 50†**

†Calls charged at BT rate of 3p per minute daytime and 1p per minute evenings and weekends. Rates may vary for calls from non-BT lines.

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